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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,994	01/28/2004		Calvin C. Potter	H00051291180	5011
128	7590 05/02/2006			EXAMINER	
HONEYWI		RNATIONAL II	BAREFOOT	BAREFOOT, GALEN L	
P O BOX 2245				ART UNIT	PAPER NUMBER
MORRISTOWN, NJ 07962-2245				3644	

DATE MAILED: 05/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner   Galen L. Barefoot	
Galen L. Barefoot  The MAILING DATE of this communication appears on the cover sheet with  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MOI WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICA  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a repl after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTH  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABAN Any reply received by the Office later than three months after the mailing date of this communication, even if time earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 21 February 2006.  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matter closed in accordance with the practice under Ex parte Quayle, 1935 C.D.  Disposition of Claims  4) Claim(s) 1 and 3-23 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1 and 3-23 is/are rejected.	3644  the correspondence address
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8) Claim(s) are subject to restriction and/or election requirement.  Application Papers	
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on is/are: a) accepted or b) objected to by Applicant may not request that any objection to the drawing(s) be held in abeyance Replacement drawing sheet(s) including the correction is required if the drawing(s)</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached 0</li> </ul>	e. See 37 CFR 1.85(a). i) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119	
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 1</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in App 3. Copies of the certified copies of the priority documents have been reapplication from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not reapplication.</li> </ul>	plication No eceived in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  6) Other:	

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## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,3-5,10-15,21-23 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Quartararo (6102337).

Quartararo (6102337) shows the control law and means 58 that determines position of actuators 30 and 32. Quartararo in col 4 discusses the operation of the control law and states that the Inertial reference unit 66 receives signals of the attitude of the spacecraft that includes three axis position and spin angle which generates a signal 44 that is sent to 42 and than a signal goes to the control law 50 which than changes the output of 50 to further control the actuators 30 and 32.

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 6-9,16-20 rejected under 35 U.S.C. 103(a) as being unpatentable over Quartararo (6102337) in view of Archung (5100082).

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In the use of hydraulic actuators it is well known to use the parameters of fluid pressure temperature and volume and would obvious to so provide the system Quartararo with such as one of ordinary skill in the art would do and is further shown by Archung (figure 4). Also where digital and analog systems are used it is common and obvious to use digital to analog conversion units.

1. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Galen L Barefoot whose telephone number is 571-272-6898.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Teri Luu can be reached on 571-272-7045.

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On July 15, 2005, the Central FAX Number will change to **571-273-8300**.

CENTRALIZED DELIVERY POLICY: For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies. For example, if the examiner has rejected claims in a regular U.S. patent application, and the reply to the examiner's Office action is desired to be transmitted by facsimile rather than mailed, the reply must be sent to the Central FAX Number.

Any inquiry of a general nature or relating to the status of this application or proceedings should be directed to 800-786-9199.

Information regarding the status of an application may also be obtained from the Patent Application information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Galen Barefoot

**Primary Examiner** 

**Technology Center 3644** 

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